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Review of Plant Pathology

1994 Volume 73 Annual Indexes

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Review of Plant Pathology

A monthly journal compiled from the CAB ABSTRACTS database.
Produced by the DIVISION OF CROP PROTECTION AND GENETICS
in association with the International Mycological Institute

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The journal is available at a special rate to subscribers in countries which make a financial contribution to CAB INTERNATIONAL. Orders and enquiries concerning subscribtions and back numbers should be sent to the Distribution Manager, Marketing and Distribution Services, CAB INTERNATIONAL, Wallingford, Oxon OX10 8DE, UK.

The Department of Crop Protection also prepares: *Review of Plant Pathology, Nematological Abstracts, Weed Abstracts, Plant Growth Regulator Abstracts* and *Seed Pathology and Microbiology.*

How to use Review of Plant Pathology

• Either BROWSE, using the CONTENTS

Within each issue, records are sequenced according to their principal subject matter - see CONTENTS page.

About three quarters of the records are arranged by CROP, so browsing is particularly useful to crop specialists. Within each crop, records are arranged in the order:

- general
- viruses, mycoplasma-like organisms, spiroplasmas, etc.
- fungi
- bacteria
- non-parasitic disorders.

• Or SEARCH, using the INDEXES

Subject indexes and author indexes are compiled monthly and cumulated annually.

SUBJECT INDEX

This guides the user to all the records that make significant reference to specific topics, including the following:

HOST PLANT SPECIES AND GROUPS

English common names are used for major crops, scientific names for minor crops and other plants. Entries point to pathogen species and then to subject headings. Records that refer only to groups are indexed under group names, e.g. cereals, vegetables.

PATHOGEN SPECIES AND GROUPS

Pathogens are indexed under scientific names. Entries point also to host species and other subject headings. Records that refer only to groups are indexed under group names, e.g. bacteria, fungi.

COUNTRY OR REGION

For records where geographical occurrence is of particular relevance.

AGROCHEMICALS etc.

Including common or chemical names, with cross-references from proprietary names. Including chemical elements with well defined deficiency or toxicity syndromes.

VECTORS

OTHER HEADINGS

The main ones are listed here. Scan the ANNUAL INDEX for a more complete picture.

Acid rain	Economics of control	Phytoalexins	Seed testing
Air pollution	Electron microscopy	Plant extracts	Seed treatment
Air spora	Fertilizers	Postharvest decay	Soil
Apparatus	Heat treatment	Records, geography	Soil treatment
Bibliographies	Host parasite relationships	Records, hosts	Spore dispersal
Biological control	Induced mutations	Regulation	Spore germination
Books	Mineral deficiencies	Reports	Storage decay
Conferences	Molecular genetics	Reviews	Storage disorders
Crop losses	Mycorrhizas	Quarantine	Techniques
Cultural methods	Mycotoxins	Seedborne organisms	*Viruses

*All relevant records are indexed under viruses, subdivided by virus group name where appropriate. Records are also indexed under hosts and under individual virus names.

AUTHOR INDEX

All authors of each paper are indexed alphabetically by surname. Variants of surnames are also indexed.

A TYPICAL RECORD

This contains various numbers and combinations of fields (items of information) depending on the document type. The sample abstract given below contains 10 of the most important and common fields. These appear in the order indicated in the list below.

1 Abstract number
2 Author
3 Title in English
4 Original title if in Roman script
5 Journal or other document
6 Year, volume, part number and pagination
7 Language of text, language of summaries, bibliographic details
8 Organization where work was carried out
9 Abstract
10 Preferred name, if the author uses another name (names of fungal perfect states are preferred to those of imperfect states)

7472 CEYNOWA, J.; LINDENBERG, H.; PIENING, G. **[Epidemiology and effective control of leaf blotch (*Septoria tritici*) of winter wheat.]** Epidemiologie und infektionsbezogene Bekämpfung der Blattdürre (*Septoria tritici*) an Winterweizen. *Gesunde Pflanzen* (1993) **45** (4) 155-162 [De, en, 15 ref.] Planzenschutzamt des Landes Schleswig-Holstein, Westring 383, 2300 Kiel 1, Germany.

During 1988–92 a series of field trials was conducted in Schleswig-Holstein, Germany, to optimize *S. tritici* [*Mycosphaerella graminicola*] control. It was found that the starting inoculum level in spring was not a limiting factor for leaf blotch epidemics. Infection events could be easily determined by the farmer using simple meteorological parameters and the epidemics classified as sudden outbreaks or gradual epidemics. In the case of the sudden outbreak, fungicide timing was critical. The protective activity of the 2 azole fungicides tested (propiconazole and tebuconazole at 125 g/ha) persisted for *c.* 2 weeks on directly sprayed leaves. A curative spray up to 10 days after initial infection was also effective.

The title should be read as an integral part of the abstract.

TO OBTAIN A COPY OF THE ORIGINAL ITEM

Use the CAB INTERNATIONAL Document Delivery Service. A form is printed in this issue.

LIST OF JOURNALS CITED

The annual index includes an alphabetical list of all journals cited during the year.

ABBREVIATIONS

A number of easily understood abbreviations are used (e.g. sp., species). Initial letters may be used for a virus after its full name has appeared. The following are also used:

a.e.	acid equivalent
a.i.	active ingredient
c.f.u.	colony-forming units
conc.	concentrated
concn	concentration(s)
DW	dry weight
ED	effective dose
ELISA	enzyme-linked immunosorbent assay
EM	electron microscope
FW	fresh weight
ID	infective dose
LC	lethal concentration
LD	lethal dose
PAGE	polyacrylamide gel electrophoresis
RH	relative humidity
RPP	*Review of Plant Pathology*
SDS	sodium dodecyl sulfate
SEM	scanning electron microscope
str.	strain
w.p.	wettable powder

In abbreviations for languages an initial capital denotes the language of the paper, an initial small letter the language of the summary.

Af	Afrikaans	Eo	Esperanto	Ja	Japanese	Pt	Portuguese
Al	Albanian	Es	Spanish	Ko	Korean	Ro	Romanian
Ar	Arabic	Fi	Finnish	La	Latin	Ru	Russian
Az	Azerbaijani	Fr	French	Li	Lithuanian	Sh	Serbo Croat
Be	Belarussian	Gr	Greek	Lv	Latvian	Sk	Slovak
Bg	Bulgarian	He	Hebrew	Ma	Macedonian	Sn	Slovenian
Ch	Chinese	Hi	Hindi	My	Bahasa Malaysia/ Malay	Sv	Swedish
Cs	Czech	Hu	Hungarian			Ta	Tajik
Da	Danish	Ia	Interlingua	Nl	Dutch, Flemish	Th	Thai
De	German	In	Indonesian	No	Norwegian	Tr	Turkish
Ee	Estonian	Is	Icelandic	Pe	Persian	Uk	Ukrainian
En	English	It	Italian	Pl	Polish		

CAB INTERNATIONAL Division of Crop Protection and Genetics

How the crop protection abstract journals are compiled

Review of Agricultural Entomology
Review of Plant Pathology
Nematological Abstracts
Weed Abstracts

Their purpose

These four journals are designed to keep readers in touch with developments in the crop protection sciences, by abstracting the more important world scientific literature and by publishing review articles. A calendar of crop protection events is included. The abstracts are intended to be full enough for readers to decide whether they need to see the original documents.

The scale and diversity of the agricultural source literature

Over 10,000 journals and other serial publications on agriculture and allied disciplines are received regularly by CAB INTERNATIONAL; these comprise more than 50,000 documents annually. Over 3000 books and other non-serials are also received each year. Publications are received from some 150 countries. in more than 50 languages. Even though English is increasingly the international language of science, some 40% of the literature is in other languages.

Scanning and abstracting the source literature of crop protection

All these documents are scanned by CABI subject specialists and are available to the CABI Division of Crop Protection and Genetics. About 3000 journals, and numerous new books, are scanned regularly in the Division, whose staff includes specialists in entomology, plant pathology, nematology, weed science, plant genetics, and also linguists.

These specialists identify items within the scope of the four crop protection journals - broadly, scientific documents about agriculturally significant pests (invertebrates, plant pathogens and weeds), beneficial organisms, and relevant crop protection practices and products.

For each item, a record is created consisting of:

- bibliographic information
- an abstract, in English
- subject coding
- index terms.

The CAB ABSTRACTS database

These records are added to the CAB ABSTRACTS bibliographic database. This machine-readable database contains all records published since 1973 in about 50 CABI abstract journals. The total of nearly 3 million records is growing by more than 150,000 new records per year, of which about 21,000 per year are on crop protection. The database is available to users for retrospective retrieval and for maintaining current awareness of literature on defined topics. See separate page, and inside back cover.

The crop protection abstract journals

At intervals, relevant records newly added to the database are selected and become the basis for a new issue of one of the crop protection journals. Records are sorted into a standard sequence within each journal issue, according to subject matter. An author index and a subject index are generated. Cumulative indexes are generated at the end of each year.

Scientific links

Each of the four crop protection journals has its own international Editorial Advisory Board of subject specialists. Their members advise on the content and development of the journals, and commission review articles of topical interest.

The CABI Division of Crop Protection and Genetics maintains close contact with the International Institute of Entomology (IIE), the International Mycological Institute (IMI), the International Institute of Parasitology (IIP) and the International Institute of Biological Control (IIBC). These links are especially important in providing the authority for the preferred names of pest organisms used in the journal indexes. IIBC is responsible for compiling the related abstract journal *Biocontrol News and Information.*

The Division of Crop Protection and Genetics maintains close contact with subject specialists in four other Divisions of the CABI Information Services who compile 45 abstract journals covering the rest of agriculture, forestry and allied disciplines. Comments from users are always welcome. Please write to Mr Geoffrey A. Viney, Division of Crop Protection and Genetics, CAB INTERNATIONAL, Wallingford, Oxon OX10 8DE, UK.

CAB INTERNATIONAL Electronic Publications

CAB ABSTRACTS Database

All of the abstracts and citations published in any of the CABI Abstract Journals are derived from a computerised database known as CAB ABSTRACTS. The database, containing over 2.7 million records, and its various subsets are available in several electronic formats, as follows:

Online

Publicity available worldwide through the following online hosts:

- DIALOG
- DIMDI
- DataStar
- CAN/OLE
- ESA-IRS
- STN

Electronic Journals

All CABI Abstract Journals on floppy disk, in comma-delimited, Pro-Cite or ISO2709 format.

Update frequency is the same as for the printed journal.

Data available on either 3.5" or 5.25" high density diskettes.

CD-ROM (Compact Disk Read Only Memory)

CABCD

Three volumes containing the entire CAB ABSTRACTS database since 1984.

CAB SPECTRUM

An array of subject-specific CD-ROMs:

VETCD - 20 years of information on Veterinary Science and Animal Health.
BEASTCD - 20 years of information on Animal Production and Dairy Technology.
TREECD - 50 years of information on Forestry, Agroforestry & Forestry Products.
CABPESTCD - 20 years of information of Crop Protection.
SOILCD - 20 years of information on Soils, Water and Land Management.
HORTCD - 20 years of information on Horticulture, Ornamental Horticulture and Plantation Crops.

CAB COLLECTION

PolTox III:CAB - Environmental pollution and toxicology information since 1983.
Human Nutrition on CD-ROM - 10 years of data from CAB ABSTRACTS, FSTA, Medline and the Life Sciences Collection.

Current Awareness

SDI Service

Based on the most recent input to the CAB ABSTRACTS database.

Subscribers decide their own search profile.

Monthly search results on computer printout or floppy disk.

Full bibliographic details and informative abstracts for the records retrieved.

CAB Alerts

Similar to the SDI service, but with titles and search strategies chosen by CABI staff.

Monthly output is provided on computer printout.

Retrospective Searches

An online retrospective search of the CAB ABSTRACTS database.

Provides citations and abstracts to published papers in the subject area of choice.

Search output is available on computer printout or floppy disk.

For more details of these, or any other CABI Electronic Publications, contact the
Marketing Manager for Electronic Publications, CAB INTERNATIONAL, Wallingford, Oxon OX10 8DE, UK.

INTERNATIONAL MYCOLOGICAL INSTITUTE

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Biochemical & Molecular Biology Services:	P. D. Bridge, PhD
Computing & Library Services:	P. M. Kirk, PhD
Administrative & Training Services:	E. M. Aitchison, MA

The International Mycological Institute (IMI), with a staff of about 65 and an annual budget of £1.9m, is the largest centre concerned with systematic mycology in the world. Founded in 1920, the Institute has from the first provided world services to mycologists and workers in related disciplines, particularly plant pathology, medical and veterinary mycology, and now also in industrial mycology, biodeterioration, biodiversity and biotechnology.

Biosystematic & Identification Services

Correct diagnosis of the cause of a disease, spoilage, or industrial problem is the first step in finding an appropriate solution. IMI provides a reliable, up-to-date identification service for about 4500 cultures and specimens each year, received from a wide variety of sources.

Staff are involved in wide-ranging research programmes on microfungal systematics. They produce about 70 scientific papers each year and also compile the *Dictionary of the Fungi, Index of Fungi, Bibliography of Systematic Mycology, Systema Ascomycetum, Descriptions of Fungi and Bacteria, Distribution Maps of Plant Diseases, Mycological Papers* and *Phytopathological Papers*.

Information on the submission of material and details of charges are available on request.

Genetic Resources Reference Collection

This Collection, which incorporates the UK National Collection of Fungus Cultures, maintains over 17,000 strains; it is one of the largest service collections for fungus cultures in the world. Plant bacteria and yeasts are also maintained.

Cultures are available for sale world-wide for industrial, scientific and educational use, and metabolic and physiological data on the strains held are actively added to the collection's databank.

The 10th edition of the Catalogue is available free of charge and lists over 11,000 strains available from the open collection. Additions to the collection are welcome, especially of fungi otherwise not represented in the collection or of biochemical, economic and industrial importance.

The Collection is recognized as an International Depositary Authority for patent strains of fungi and bacteria under the terms of the Budapest Treaty.

Training Services

IMI offers a wide variety of training activities, ranging from postgraduate research degrees to one-day specialist seminars. Each year about eight longer courses, including an annual six-week International Course on the Identification of Fungi of Agricultural Importance, are held.

Overseas workshops, individual training and tuition for mycologists, plant pathologists and industrial staff are also arranged. Visiting research scientists are welcome to spend time at the Institute as part of their research work.

Plant Protection Services

The Institute's Plant Protection Laboratory incorporates the UK Overseas Development Administration Plant Pathology Liaison Unit. Backed by the expertise and information available within IMI, it provides disease diagnosis, technical support, and consultancy services for agricultural scientists, advisers, growers and shippers worldwide. Research is also undertaken, primarily on specific problems relating to pathogen variability and characterization.

Consultancy & Contract Services

IMI is able to undertake consultancy assignments involving surveys of disease or other problems, and offers consultancy and contract research in any of its fields of activity. Staff can also assist in the preparation of mycological publications on a contract basis.

Industrial & Environmental Laboratory

The laboratory is accredited under the UK National Measurement Accreditation Service (NAMAS) and carries out a wide variety of industrial testing, contract research and consultancies involving non-food materials. Services involving organisms other than fungi can also be arranged, and a tropical testing facility is available.

Yeast Investigations Laboratory

A specialist laboratory, headed by Professor R. R. Davenport, has been established in IMI. It provides consultancy, investigatory contract research and training facilities related to specific needs of the food and beverage industries, both in the UK and overseas.

Food Investigation

IMI's long-standing involvement in the food industry is now focussed through its Food Group, covering filamentous fungi, yeasts and bacteria. We offer producers, processors, manufacturers and distributors a comprehensive, confidential, microbiological service, including on-site investigations and training. For information resources, IMI has access to the International Food Information Service (IFIS).

Biochemistry & Molecular Biology Services

The Biochemistry & Molecular Biology Laboratory acts as a service unit within the Institute for routine and project work. Techniques currently available include detection and screening of fungal enzymes and secondary metabolites (including mycotoxins) and a number of methods for characterizing strains and taxa at a molecular level.

Bacteriology Laboratory

The laboratory offers a specialist identification service for plant pathogenic, biocontrol and industrially significant bacteria. Techniques currently available include quantitative fatty acid analysis, physiological test methods and molecular techniques involving the polymerase chain reaction (PCR).

Information

The IMI library holds a unique collection of literature on plant pathology, fungal systematics, medical and veterinary mycology, biodeterioration and fungal biotechnology. Its stocks consist of approximately 750 current journals, 7,000 volumes and books and 140,000 reprints.

Literature searches and studies can be carried out to specific individual requirements, and a photocopy service is also available to provide copies of original source literature.

Further details

Please write, fax or telephone for our current Services and Publications booklet and any further information on specific services that you may require. All work is carried out by IMI on a confidential basis, and we will be pleased to discuss your individual requirements without obligation.

Review of Plant Pathology

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CROPS, GENERAL	22	98	172	236	318	416	514	592	676	768	859	939
CEREALS	25	99	173	238	320	419	517	594	678	771	862	943
Wheat (including *Aegilops*)	26	100	174	240	321	423	518	596	679	772	862	945
Barley	29	104	178	246	326	429	523	602	682	777	868	950
Oats	31	105	–	249	–	431	525	603	684	–	870	951
Rye	31	106	179	249	327	–	–	604	–	–	870	952
Triticale	–	106	–	250	–	431	–	604	–	–	870	–
Maize (including *Tripsacum*)	31	106	179	251	327	432	526	604	684	778	870	953
Sorghum	33	108	180	252	328	436	528	606	687	780	873	955
Millets	33	–	181	–	328	437	528	607	688	780	873	956
Rice	34	108	181	252	329	437	529	607	688	780	874	956
Other cereals	37	–	–	–	–	440	–	–	–	–	876	–
FODDER PLANTS	37	110	183	254	332	441	532	610	690	782	876	958
Grasses	37	111	183	254	332	441	532	610	690	783	876	958
Lucerne	37	112	184	255	332	442	532	–	691	783	878	959
Clovers	38	112	185	256	333	–	532	611	–	783	878	959
Other fodder plants	38	112	185	256	333	443	532	612	692	783	878	960
GRAIN LEGUMES	39	113	185	256	333	443	533	613	692	784	879	960
Soyabeans	39	113	185	257	333	444	533	613	693	784	879	960
Faba beans	40	114	187	258	335	445	–	–	694	785	880	962
Phaseolus	40	115	187	258	335	445	534	614	694	785	880	962
Peas	42	116	188	259	336	446	536	616	695	786	882	964
Lentils	43	116	–	–	337	446	537	616	696	–	883	965
Chickpeas	43	116	189	260	337	447	537	617	696	787	883	965
Pigeon Peas	43	–	–	261	337	447	537	617	697	788	883	965
Vigna	43	116	190	261	338	447	538	617	697	788	884	966
Other grain legumes	–	–	191	–	338	448	–	619	–	789	885	966
ROOT CROPS	44	117	192	262	338	448	539	619	698	790	885	966
Potatoes	44	117	192	262	338	448	539	619	698	790	885	967

Carrots	47	119	193	266	–	451	541	621	702	–	887	972
Swedes and turnips	–	120	193	266	340	451	–	–	–	792	–	–
Cassava	47	–	–	266	340	451	542	621	703	–	887	972
Sweet potatoes	47	120	193	–	340	451	542	–	705	792	–	973
Yams	–	–	–	–	–	–	–	622	–	793	887	973
Colocasia	–	–	–	–	340	–	–	–	705	–	–	973
Other root crops	47	120	193	266	340	–	–	–	705	793	–	973
LEAFY VEGETABLES, BULBOUS VEGETABLES, STEM VEGETABLES	47	120	194	267	340	452	542	622	705	793	887	974
Allium	47	120	194	267	341	452	542	622	705	793	887	974
Brassica	48	121	194	267	341	453	543	622	706	794	888	976
Spinach	–	–	194	–	–	454	543	–	708	–	889	977
Celery	–	–	195	267	341	454	544	623	708	795	889	978
Lettuces	48	122	–	268	342	454	544	623	708	795	889	978
Other leafy, bulbous and stem vegetables (including asparagus and rhubarb)	–	122	195	268	–	455	544	624	709	796	889	978
FRUIT VEGETABLES	48	123	195	269	342	455	544	624	709	796	889	979
Tomatoes	48	123	195	269	342	456	544	624	709	796	889	980
Aubergines	49	–	197	272	344	–	546	626	711	–	892	983
Capsicum	50	125	197	272	345	458	546	626	712	799	892	984
Cucurbitaceae	50	125	198	272	346	459	547	627	712	800	893	984
Other fruit vegetables	52	127	199	274	348	–	548	628	714	–	895	985
TEMPERATE FRUITS	52	127	199	274	348	461	549	628	714	801	895	986
Pome fruits	52	127	199	275	348	461	549	628	714	801	895	986
Stone fruits	54	128	201	276	350	463	550	629	716	802	897	987
Small fruits	55	129	202	277	350	464	551	631	717	803	897	989
Grapes	56	130	202	277	350	465	552	631	718	804	897	989
Other temperate fruits	–	130	–	279	352	467	553	–	720	805	–	991
TROPICAL AND SUBTROPICAL FRUITS	56	131	203	279	353	467	553	633	721	806	898	991
Bananas	56	131	203	279	353	467	–	633	721	806	898	991
Citrus	57	131	203	280	353	468	553	633	721	807	899	992
Mangoes	58	132	204	–	354	468	554	634	–	808	901	994
Pineapples	–	–	–	281	–	468	554	635	–	–	–	995
Litchi	–	–	–	–	–	–	–	–	–	–	–	995
Other tropical and subtropical fruits	58	132	204	281	355	469	554	635	722	809	901	995
NUT CROPS	58	132	–	281	–	470	555	636	722	809	902	995
FATTY OIL PLANTS	59	133	204	282	356	470	555	636	723	810	903	996
Rape	59	133	204	282	356	470	555	636	723	810	903	996
Sinapis	–	–	–	–	–	–	–	–	–	–	–	–
Linseed	–	–	–	283	–	471	–	–	–	–	903	–
Sunflowers	60	133	204	284	356	471	555	637	723	810	903	996
Safflower	–	133	–	–	356	472	–	638	–	–	–	–
Oil palms	60	–	205	–	357	472	–	638	–	810	903	–
Coconuts	60	134	205	284	357	472	556	638	724	810	904	997
Olives	–	134	–	285	357	–	–	–	–	–	904	997
Groundnuts	60	137	205	285	357	472	556	–	724	810	904	998
Castor beans	–	–	205	–	358	–	–	–	–	–	–	999
Sesame	61	–	206	–	–	473	–	–	725	811	904	999
Other fatty oil plants	–	–	–	–	358	–	–	–	–	812	905	999
SUGAR CROPS	61	138	206	285	358	474	557	639	725	812	905	999
Sugarcane	61	138	206	285	358	474	557	639	725	812	905	999
Sugarbeet	62	138	207	286	358	475	557	640	726	812	905	1000
Other sugar crops	–	–	–	–	–	–	–	640	–	–	–	–
STIMULANT PLANTS	62	139	207	287	359	475	558	640	726	814	906	1001
Tea	–	–	207	287	359	–	558	–	726	814	906	1001
Coffee	62	–	–	287	–	475	558	640	727	814	906	1001

Cocoa	62	–	208	287	360	476	–	640	–	814	–	1001
Tobacco	62	139	208	288	360	476	558	641	727	814	906	1001
Other stimulant plants	–	–	–	–	–	–	–	–	–	–		-
FIBRE PLANTS	64	140	210	290	361	478	560	643	729	818	908	1003
Cotton	64	140	210	290	361	478	560	643	729	818	908	1003
Flax	65	141	–	290	362	–	561	–	–	–	909	1003
Jute	65	141	210	–	–	–	–	–	–	–	–	–
Sisal	–	–	–	–	–	–	–	–	–	–	–	–
Other fibre plants	65	141	–	–	362	478	–	–	–	–	909	–
RUBBER PLANTS	66	142	–	290	–	–	–	643	–	819	909	1003
FOREST TREES	66	142	211	290	362	478	561	643	730	819	909	1004
Broadleaves	66	142	211	291	362	478	562	644	730	819	910	1005
Conifers	67	146	212	293	364	481	565	647	731	820	912	1006
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Many other serials were scanned during 1994 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition.* The publication includes ISSNs and publishers' addresses.

ACIAR Food Legume Newsletter
Acta Academiae Agriculturae ac Technicae Olstenensis, Agricultura
Acta Agraria et Silvestria. Series Agraria
Acta Agriculturae Boreali-Sinica
Acta Agriculturae Scandinavica. Section B, Soil and Plant Science
Acta Agriculturae Shanghai
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Acta Agrobotanica
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Acta Biochimica et Biophysica Sinica
Acta Botanica Croatica
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Acta Microbiologica Polonica
Acta Mycologica
Acta Mycologica Sinica
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Acta Physiologiae Plantarum
Acta Phytopathologica et Entomologica Hungarica
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Acta Phytophysiologica Sinica
Acta Universitatis Agriculturalis Boreali-Occidentalis
Acta Virologica
Advances in Horticultural Science
Advances in Plant Sciences
Aerobiologia
African Crop Science Journal
African Journal of Agricultural Sciences
African Journal of Mycology and Biotechnology
Agnote (Darwin)
Agricoltura Mediterranea
Agricoltura Ricerca
Agricultura Técnica (Santiago)
Agricultural and Biological Chemistry
Agricultural Engineer
Agricultural Research Journal of Kerala
Agricultural Research Review
Agricultural Resources Situation and Outlook
Agricultural Reviews (Karnal)
Agricultural Science Digest (Karnal)
Agricultural Science in Finland
Agricultural Systems
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Agropecuária Catarinense
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AIAS Occasional Publication
Al Awamia
Alexandria Journal of Agricultural Research
Alimentaria
Allgemeine Forst- und Jagdzeitung
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Allionia
Alon Hanotea
American Journal of Botany
American Journal of Enology and Viticulture
American Naturalist
American Potato Journal
American Scientist
Amtliche Pflanzenschutzbestimmungen
Anadolu
Anais da Sociedade Entomológica do Brasil
Analele Institutului de Cercetări pentru Protecţia Plantelor, Academia de Ştiinţe Agricole şi Silvice
Analyst
Analytica Chimica Acta
Analytical Letters
Analytical Sciences
Angewandte Botanik
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Annals of Warsaw Agricultural University SGGW-AR, Agriculture
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Antisense Research and Development
Antonie van Leeuwenhoek
Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz
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Applied Biochemistry and Biotechnology
Applied Engineering in Agriculture
Applied Entomology and Phytopathology
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Applied Plant Science
Arab Journal of Plant Protection
Arab Universities Journal of Agricultural Sciences
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Arboriculture Fruitière
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Archives of Virology
Arid Soil Research and Rehabilitation
Arkansas Farm Research
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ASCOLFI Informa
ASEAN Food Journal
ASM News (Washington)
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Assiut Journal of Agricultural Sciences
Australasian Plant Pathology
Australian & New Zealand Wine Industry Journal
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Bacterial Wilt Newsletter

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Bangladesh Journal of Plant Pathology
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Beiträge für die Forstwirtschaft
Beiträge für Forstwirtschaft und Landschaftsökologie
Beiträge zur Tropischen Landwirtschaft und Veterinärmedizin
Belgian Journal of Botany
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Bhartiya Krishi Anusandhan Patrika
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Biochemical Systematics and Ecology
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Biocontrol Science and Technology
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Biology and Fertility of Soils
Biology Bulletin of the Russian Academy of Sciences
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BIOTROP Special Publication
BIOTROPIA
Bioved
Biuletyn Informacyjny - Prace Przemysłowego Instytutu Maszyn Rolniczych
Biuletyn Instytutu Hodowli i Aklimatyzacji Roślin
Biuletyn Instytutu Ziemniaka
Biuletyn Warzywniczy
Blyttia
Bodenkultur
Boletim de Botânica, Universidade de São Paulo
Boletim de Pesquisa - Centro de Pesquisa Agropecuária do Trópico Úmido
Boletín de Sanidad Vegetal, Plagas
Boletín Divulgativo - Ministerio de Agricultura y Ganadería/Cámara de Insumos Agropecuarios
Boletín Micológico
Boletus
Botanica Acta
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Bulletin - Mississippi Agricultural and Forestry Experiment Station
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Bulletin of Agricultural Science and Technology
Bulletin of Environmental Contamination and Toxicology
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Bulletin of Taichung District Agricultural Improvement Station
Bulletin of the Agricultural Chemicals Inspection Station, Tokyo
Bulletin of the Akita Fruit-Tree Experiment Station
Bulletin of the Akita Prefectural College of Agriculture
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Bulletin of the Rubber Research Institute of Sri Lanka
Bulletin OILB/SROP
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Cahiers Agricultures
California Agriculture
Caña de Azúcar
Canadian Agricultural Engineering
Canadian Journal of Botany
Canadian Journal of Forest Research
Canadian Journal of Microbiology
Canadian Journal of Plant Pathology
Canadian Journal of Plant Science
Canadian Plant Disease Survey
Capsicum & Eggplant Newsletter
Carbohydrate Research
CARDI Technical Bulletin - Caribbean Agricultural Research and Development Institute
Cashew
Cecidology
Ceiba
Cell (Cambridge)
Centro Agrícola
Cercetări Agronomice în Moldova
Cereal Chemistry
Cereal Foods World
Cereal Research Communications
Česká Mykologie
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Chemistry of Natural Compounds
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Chemosphere
China Cottons
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Chinese Journal of Rice Science
Chinese Journal of Virology
Chinese Vegetables
Chmelařství
Chromatographia
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Ciência e Cultura (São Paulo)
Ciencia e Investigación Agraria
Ciencia e Investigación Forestal
Ciencias de la Agricultura
Científica (Jaboticabal)
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Citrus Journal
Cocoa Growers' Bulletin
Colture Protette
Commonwealth Forestry Review
Communications in Soil Science and Plant Analysis
Compact Fruit Tree
Compte Rendu des Essais - Union Nationale Interprofessionnelle des Légumes Transformés
Comptes Rendus de l'Académie Bulgare des Sciences
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Computers and Electronics in Agriculture
Contemporary Policy Issues
Coolia
Cooperative Sugar
Critical Reviews in Plant Sciences
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Crop Genetic Resources
Crop Improvement
Crop Protection
Crop Research (Hisar)
Crop Science
Cryptogamic Botany
Cryptogamie, Mycologie
Cuba Azúcar
Cultivar (Paris)
Cultivated Mushroom Research (CMR) Newsletter
Current Agriculture
Current Biology
Current Genetics
Current Microbiology
Current Opinion in Biotechnology
Current Opinion in Cell Biology
Current Opinion in Genetics & Development
Current Research - University of Agricultural Sciences (Bangalore)
Current Science

Cytobios
Czech Mycology
Dansk Standard
Deciduous Fruit Grower
Department of Botany, Plant Pests and Diseases Research Institute, Iran
Deutsche Lebensmittel-Rundschau
Difesa delle Piante
Dirasat. Series B, Pure and Applied Sciences
Diseases of Aquatic Organisms
Distribution Maps of Plant Diseases
Diversity
DLG-Mitteilungen Agrar-Inform
Documentos - Centro de Pesquisa Agropecuária dos Cerrados
Documentos - Centro de Pesquisa Agropecuária do Trópico Úmido
Doğa, Türk Biyoloji Dergisi
Doğa, Türk Tarım ve Ormancılık Dergisi
Doklady Akademii Nauk Belarusi
Doklady Rossiĭskoĭ Akademii Sel'skokhozyaĭstvennykh Nauk
Doklady Vsesoyuznoĭ Ordena Lenina i Ordena Trudovogo Krasnogo Znameni Akademii Sel'skokhozyaĭstvennykh Nauk imeni V. I. Lenina
Doklady, Biochemistry
East African Agricultural and Forestry Journal
Ecología (Madrid)
Ecological Applications
Ecological Modelling
Ecology
Egyptian Journal of Botany
Egyptian Journal of Horticulture
Egyptian Journal of Microbiology
Ekologija
Eksperimentinė Biologija
Élelmezési Ipar
EMBO Journal
Entomologia Experimentalis et Applicata
Environment and Ecology
Environmental and Experimental Botany
Environmental and Molecular Mutagenesis
Environmental Entomology
Environmental Management
Environmental Pollution
Environmental Science & Technology
Environmental Toxicology and Chemistry
EPPO Technical Document
Ergebnisse Landwirtschaftlicher Forschung an der Justus-Liebig-Universität
Ernährung
Erwerbsobstbau
Euphytica
Eurasian Soil Science
European Journal of Agronomy
European Journal of Forest Pathology
European Journal of Soil Biology
Eurosoya
Evergreen (Trichur)
Evolution
Experientia
Experimental & Applied Acarology
Experimental Genetics
Experimental Mycology
Extension Bulletin - Cooperative Extension, College of Agriculture & Home Economics, Washington State University
FABIS Newsletter
FAO Plant Production and Protection Paper
FAO Plant Protection Bulletin
Farm Chemicals
FEBS Letters
FEMS Microbiology Ecology
FEMS Microbiology Letters
Fertiliser News
Field Crops Research
Fitopatología
Fitopatologia Brasileira
Fitopatología Colombiana
Fitopatología Venezolana
Fitoterapia
Fiziologiya na Rasteniyata
Folia Biologica (Praha)
Folia Horticulturae
Folia Microbiologica
FONAIAP Divulga
Forest Ecology and Management
Forestry Chronicle
Forschungsbericht Agrartechnik des Arbeitskreises Forschung und Lehre der Max-Eyth-Gesellschaft (MEG)
Forschungsberichte - Hessische Forstliche Versuchanstalt
Forst und Holz
Forstarchiv
Forstliche Forschungsberichte München
Forstschutz Aktuell
Forstwissenschaftliches Centralblatt
Fresenius Environmental Bulletin
Fresenius' Journal of Analytical Chemistry
Fruit Belge
Fruit Varieties Journal
Fruits (Paris)
Fruitteelt (Den Haag)
FRUT - Revista de Fruticultura
Fujian Agricultural Science and Technology
Functional Ecology
Fungicide and Nematicide Tests
Furrow (Moline)
Gartenbau Magazin
Gemüse (München)
Gene
Genetic Resources and Crop Evolution
Genetica Polonica
Genetics
Genetika (Moskva)
Genetika a Šlechtění
Genetika i Selektsiya
Genome
Georgofili
Gesunde Pflanzen
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Global Pesticide Campaigner
Grana
Groenten + Fruit, Fruit
Gujarat Agricultural University Research Journal
Haryana Agricultural University Journal of Research
Hassadeh
Helia
Hereditas (Beijing)
Hereditas (Landskrona)
Heredity
Himachal Journal of Agricultural Research
Hodowla Roślin, Aklimatyzacja i Nasiennictwo
Holz als Roh- und Werkstoff
Holzforschung und Holzverwertung
Horticultura Brasileira
HortScience
HortTechnology
Hungarian Agricultural Research
Hybridoma
ICRISAT Information Bulletin
IITA Research
Illinois Research
IMI Technical Handbooks
In Vitro Cellular & Developmental Biology - Plant
Indian Agriculturist
Indian Cocoa, Arecanut and Spices Journal
Indian Coconut Journal (Cochin)
Indian Coffee
Indian Farming
Indian Forester
Indian Journal of Agricultural Chemistry
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Indian Journal of Entomology
Indian Journal of Experimental Biology
Indian Journal of Forestry
Indian Journal of Genetics & Plant Breeding
Indian Journal of Hill Farming
Indian Journal of Mycology and Plant Pathology
Indian Journal of Natural Rubber Research
Indian Journal of Nematology
Indian Journal of Pharmaceutical Sciences
Indian Journal of Plant Physiology
Indian Journal of Plant Protection
Indian Journal of Pulses Research
Indian Journal of Sericulture
Indian Journal of Virology
Indian Phytopathology
Indian Review of Life Sciences
Indonesian Agricultural Research & Development Journal
Indonesian Journal of Tropical Agriculture
Industria Saccarifera Italiana
Infomusa
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Informativo ABRATES
Informatore Agrario
Informatore Fitopatologico
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International Journal of Environmental Analytical Chemistry
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International Journal of Pest Management
International Journal of Plant Sciences
International Journal of Systematic Bacteriology

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International Pigeonpea Newsletter
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Investigación Agraria, Sistemas y Recursos Forestales
IPM Practitioner
Iranian Journal of Agricultural Sciences
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Israel Journal of Botany
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Izvestiya Akademii Nauk SSSR. Seriya Biologicheskaya
Izvestiya Timiryazevskoĭ Sel'skokhozyaĭstvennoĭ Akademii
Japanese Journal of Applied Entomology and Zoology
Japanese Journal of Breeding
Japanese Journal of Genetics
Japanese Journal of Toxicology and Environmental Health
JARQ, Japan Agricultural Research Quarterly
Journal - American Society of Sugar Cane Technologists
Journal - Association of Official Analytical Chemists
Journal of Agricultural and Food Chemistry
Journal of Agricultural Engineering Research
Journal of Agricultural Research (Lahore)
Journal of Agricultural Research of China
Journal of Agricultural Science
Journal of Agricultural Science, Tokyo Nogyo Daigaku
Journal of Agriculture of the University of Puerto Rico
Journal of Agriculture, Western Australia
Journal of Agronomy and Crop Science
Journal of Antibiotics
Journal of AOAC International
Journal of Applied Bacteriology
Journal of Applied Entomology
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Journal of Biochemistry (Tokyo)
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Journal of Cell Science
Journal of Chemical Ecology
Journal of Chromatography
Journal of Coffee Research
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Journal of Ecobiology
Journal of Economic Entomology
Journal of Ecotoxicology & Environmental Monitoring
Journal of Entomological Science
Journal of Environmental Health
Journal of Environmental Horticulture
Journal of Environmental Quality
Journal of Essential Oil Research
Journal of Experimental Botany
Journal of Food Protection
Journal of Fruit Science
Journal of Fujian Agricultural College
Journal of General Microbiology
Journal of General Virology
Journal of Genetics & Breeding
Journal of Hebei Agricultural University
Journal of Heredity
Journal of Horticultural Science
Journal of Huazhong Agricultural University
Journal of Hunan Agricultural College
Journal of Industrial Microbiology
Journal of Insect Science
Journal of Jilin Agricultural University
Journal of Liquid Chromatography
Journal of Maharashtra Agricultural Universities
Journal of Microbiological Methods
Journal of Microbiology and Biotechnology
Journal of Microscopy
Journal of Molecular Biology
Journal of Mycopathological Research
Journal of Nanjing Agricultural University
Journal of Nanjing Forestry University
Journal of Natural Products
Journal of Nematology
Journal of Organic Chemistry
Journal of Pesticide Science
Journal of Phytological Research
Journal of Phytopathology
Journal of Planar Chromatography
Journal of Plant Growth Regulation
Journal of Plant Nutrition
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Journal of Plant Protection in the Tropics
Journal of Plantation Crops
Journal of Production Agriculture
Journal of Research - Assam Agricultural University
Journal of Research - Rajendra Agricultural University
Journal of Research APAU
Journal of Research, Punjab Agricultural University
Journal of Root Crops
Journal of Shandong Agricultural Science
Journal of Shanghai Agricultural College
Journal of Shenyang Agricultural University
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Journal of Soils and Crops
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Journal of Structural Biology
Journal of Tea Science
Journal of the American Society for Horticultural Science
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Journal of the Faculty of Agriculture, Kyushu University
Journal of the Faculty of Agriculture, Tottori University
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Kaen Kaset = Khon Kaen Agriculture Journal
Karnataka Journal of Agricultural Sciences
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Kenya Coffee
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Korean Journal of Applied Microbiology and Biotechnology
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Maydica
Meddelande från Statens Utsädeskontroll
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Microbial Ecology
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Microbiology (New York)
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Mikologiya i Fitopatologiya
Mikrobiologicheskiĭ Zhurnal
Milieu, Tijdschrift voor Milieukunde

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Mitteilungen aus der Biologischen Bundesanstalt für Land- und Forstwirtschaft Berlin-Dahlem
Mitteilungen der Deutschen Bodenkundlichen Gesellschaft
Mitteilungen der Schweizerischen Entomologischen Gesellschaft
Mitteilungen der Versuchsanstalt für Pilzanbau der Landwirtschaftskammer Rheinland Krefeld-Grosshüttenhof
Mitteilungen Klosterneuburg, Rebe und Wein, Obstbau und Früchteverwertung
Molecular and Cellular Biology
Molecular and General Genetics
Molecular Biology and Evolution
Molecular Ecology
Molecular Microbiology
Molecular Plant-Microbe Interactions
Monti e Boschi
Moscow University Biological Sciences Bulletin
Moscow University Soil Science Bulletin
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Musa Disease Fact Sheet
Mushroom Research
Mutation Breeding Newsletter
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Narendra Deva Journal of Agricultural Research
National Academy Science Letters
Natural Toxins
Naturalia (São Paulo)
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New Scientist
New Zealand Journal of Agricultural Research
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New Zealand Journal of Crop and Horticultural Science
New Zealand Journal of Forestry Science
Newsletter - Associated Agricultural Development Foundation
Ningxia Journal of Agro-Forestry Sciences and Technology
Nippon Nogeikagaku Kaishi
Nordisk Jordbruksforskning
North Carolina Flower Growers' Bulletin
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Norwegian Journal of Agricultural Sciences
Nova Hedwigia
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ORSTOM Actualités
Oryza
Outlook on Agriculture
PAC Working Paper - Pakhribas Agricultural Centre
Pakistan Journal of Forestry
Pakistan Journal of Phytopathology
Pakistan Journal of Scientific and Industrial Research
Paper - American Society of Agricultural Engineers
Parasitica
Pastos
Pedobiologia
Pennsylvania Fruit News
Perkin Transactions I
Pesquisa Agropecuária Brasileira
Pesticide Biochemistry and Physiology
Pesticide Research Journal
Pesticide Science
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Petria
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Pflanzenschutzberichte
Philippine Journal of Science
PHM Revue Horticole
Physiologia Plantarum
Physiological and Molecular Plant Pathology
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Phytochemistry
Phytoma
Phytomorphology
Phyton (Buenos Aires)
Phytoparasitica
Phytopathologia Mediterranea
Phytopathology
Phytophylactica
Phytoprotection
Plant and Cell Physiology
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Plant Breeding
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Plant Genetic Resources Newsletter
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Plant Journal
Plant Molecular Biology
Plant Pathology
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Plant Pathology Circular (Gainesville)
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Plant Physiology & Biochemistry (New Delhi)
Plant Physiology and Biochemistry (Paris)
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Plant Protection Bulletin (Taipei)
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Planta
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Planter
Plasmid
PNG Coffee
Poljoprivredna Znanstvena Smotra
Postharvest Biology and Technology
Potato Research
Prace Instytutu Sadownictwa i Kwiaciarstwa w Skierniewicach. Seria A, Prace Doświadczalne z Zakresu Sadownictwa
Prace Instytutu Sadownictwa i Kwiaciarstwa w Skierniewicach. Seria B, Rośliny Ozdobne
Prace z Zakresu Nauk Rolniczych
Prairie Naturalist
Principes
Probleme de Genetică Teoretică şi Aplicată
Proceedings - Soil and Crop Science Society of Florida
Proceedings of the Florida State Horticultural Society
Proceedings of the Indian National Science Academy. Part B, Biological Sciences
Proceedings of the Japan Academy. Series B, Physical and Biological Sciences
Proceedings of the Japanese Association of Mycotoxicology
Proceedings of the Japanese Society of Sugar Beet Technologists
Proceedings of the Kansai Plant Protection Society
Proceedings of the Kanto-Tosan Plant Protection Society
Proceedings of the Louisiana Academy of Sciences
Proceedings of the National Academy of Sciences of the United States of America
Proceedings of the New Zealand Grassland Association
Proceedings of the Nova Scotian Institute of Science
Proceedings of the Royal Society of London. Series B, Biological Sciences
Proceedings of the Section Experimental and Applied Entomology of the Netherlands Entomological Society
Progrès Agricole et Viticole
Progressive Farming
Progressive Horticulture
Prophyta
Protección de Plantas
Protoplasma
Przemysł Drzewny
Przemysł Spożywczy
PSP Pflanzenschutz Praxis
Pyrethrum Post
Quarterly Bulletin of IAALD
Quarterly Newsletter - Asia and Pacific Plant Protection Commission
Rachis
Rapport d'Activité - Centre de Recherches Agronomique de L'Etat Gembloux
Rasen-Turf-Gazon
Rasteniev'dni Nauki

RDA Journal of Agricultural Science, Biotechnology
RDA Journal of Agricultural Science, Crop Protection
RDA Journal of Agricultural Science, Soil & Fertilizer
RDA Journal of Agricultural Science. Farm Management, Agricultural Engineering, Sericulture, & Farm Products Utilization
Redia
Regulatory Toxicology and Pharmacology
Report of Hokkaido Prefectural Agricultural Experiment Stations
Report of the Taiwan Sugar Research Institute
Research & Training Newsletter (Dar es Salaam)
Research Bulletin - International Crops Research Institute for the Semi-Arid Tropics
Research Bulletin of Obihiro University, Natural Science
Research Bulletin of the Panjab University, Science
Research Communications in Chemical Pathology and Pharmacology
Research Highlights - Tropical Agriculture Research Center
Research in Virology
Research Journal of Food and Agriculture
Research Paper - Pacific Northwest Research Station, USDA Forest Service
Research Report - Agricultural Experiment Station, Division of Agriculture, Oklahoma State University
Research Reports of the Rural Development Administration, Crop Protection
Resource Sciences Interface
Review of Plant Pathology
Review of Research Work at the Faculty of Agriculture, Belgrade
Reviews of Environmental Contamination and Toxicology
Revista Agropecuaria de Manfredi y Marcos Juárez
Revista Argentina de Microbiología
Revista Biología (Habana)
Revista Brasileira de Botânica
Revista Brasileira de Ciência do Solo
Revista Brasileira de Genética
Revista Brasileira de Sementes
Revista Ceres
Revista Chilena de Entomología
Revista de Ciências Agrárias
Revista de la Facultad de Agronomía (Universidad de Buenos Aires)
Revista de la Facultad de Agronomía, Universidad Central de Venezuela
Revista de Protección Vegetal
Revista Forestal del Perú
Revista Forestal Venezolana
Revista Frutícola
Revista Iberoamericana de Micología
Revista Mexicana de Fitopatología
Revista Mexicana de Micología
Revue Agricole et Sucrière de l'Île Maurice
Revue de l'Agriculture
Revue Forestière Française
Revue Horticole Suisse
Revue Roumaine de Biologie. Série de Biologie Végétale
Revue Suisse d'Agriculture
Revue Suisse de Viticulture, d'Arboriculture et d'Horticulture
RIC Bulletin
Rivista di Agricoltura Subtropicale e Tropicale
Rivista di Frutticoltura e di Ortofloricoltura
Rivista di Ingegneria Agraria
Rivista di Micologia
Rivista di Patologia Vegetale
Rivista di Viticoltura e di Enologia
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